

ABSTRACT:

Surface-Modified, Doped, Pyrogenically Produced Oxides

Surface-modified, doped, pyrogenically produced oxides surface-modified with one or several compounds from the following groups:

- a) Organosilanes of the type $(RO)_3Si(C_nH_{2n+1})$, $(RO)_3Si(C_nH_{2n-1})$
 $R'_x(RO)_ySi(C_nH_{2n+1})$, $(RO)_3Si(C_nH_{2n+1})$
- b) $X_3Si(C_nH_{2n+1})$, $X_3Si(C_nH_{2n-1})$
- c) $X_2(R')Si(C_nH_{2n+1})$, $X_2(R')Si(C_nH_{2n-1})$
- d) $X(R')_2Si(C_nH_{2n+1})$, $X(R')_2Si(C_nH_{2n-1})$
- e) $(RO)_3Si(CH_2)_m-R'$,
- f) $(R'')_x(RO)_ySi(CH_2)_m-R'$,
- g) $X_3Si(CH_2)_m-R'$,
- h) $(R)X_2Si(CH_2)_m-R'$,
- i) $(R)_2XSi(CH_2)_m-R'$,
- j) $R'R_2Si-N-SiR_2R'$
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l) Cyclic polysiloxanes,

m) Polysiloxanes or silicone oils.